

**Abstract of the Disclosure**

An antifungal polypeptide, AlyAFP, that controls fungal damage to  
5 plants is provided. DNA encoding this polypeptide can be cloned into  
vectors for transformation of plant-colonizing microorganisms or plants,  
thereby providing a method of inhibiting fungal growth on plants. The  
polypeptide can be formulated into compositions that can be used to control  
undesired fungi on plants and elsewhere.

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